

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3321 - L2 Version 3
Chandra X-Ray Center

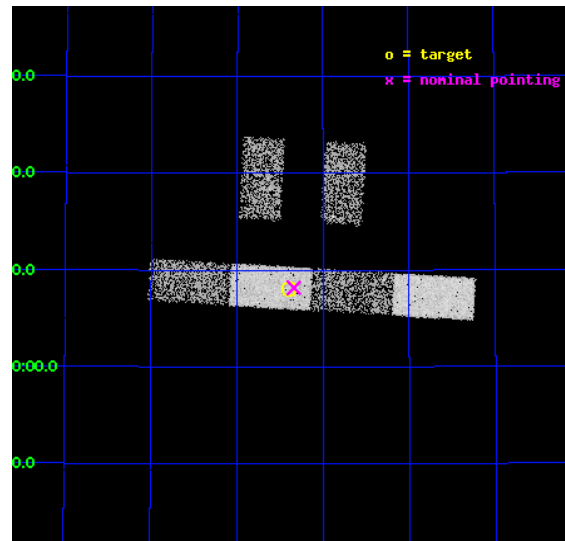
L2 Processing Date : Oct 3 2012

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1 Front

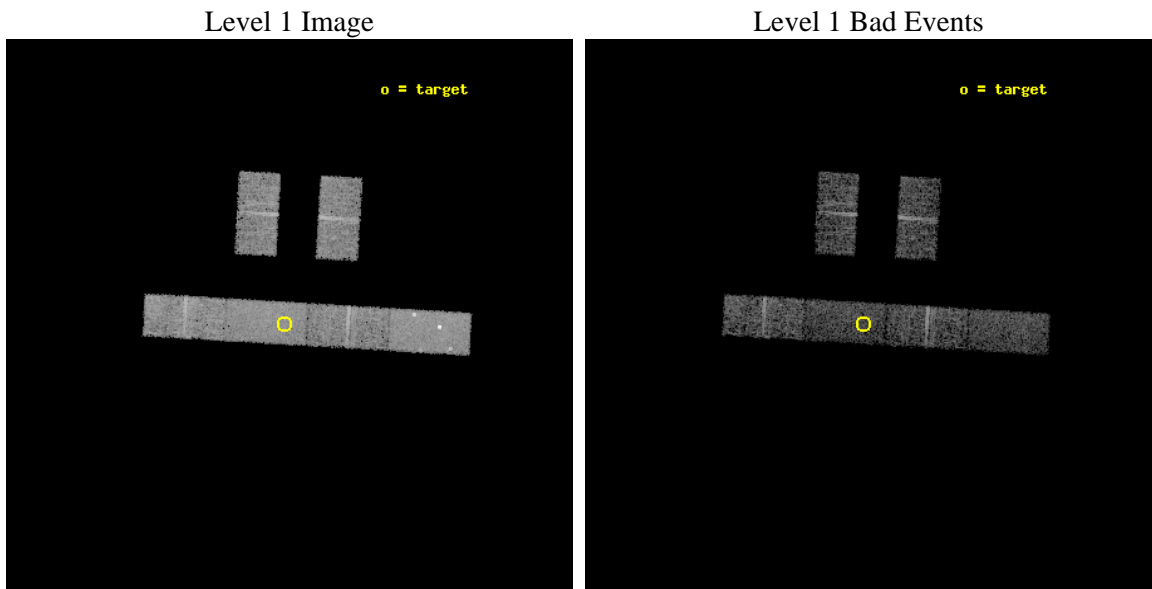
seq_num	900160	Sequence number
obs_id	3321	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1115.4+5308	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	168.850417	Observer's specified target RA [deg]
dec_targ	53.135278	Observer's specified target Dec [deg]
ra_nom	168.83446055508	Nominal RA [deg]
dec_nom	53.136483645391	Nominal Dec [deg]
roll_nom	183.36888950743	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4903.1999918967	Sum of GTIs [s]
livetime	4793.8990925858	Livetime [s]
ontime2	4903.1999918967	Sum of GTIs [s]
ontime3	4903.1999918967	Sum of GTIs [s]
ontime5	4903.1999918967	Sum of GTIs [s]
ontime6	4903.1999918967	Sum of GTIs [s]
ontime7	4903.1999918967	Sum of GTIs [s]
ontime8	4903.1999918967	Sum of GTIs [s]
l2events	26981	Number of level 2 events



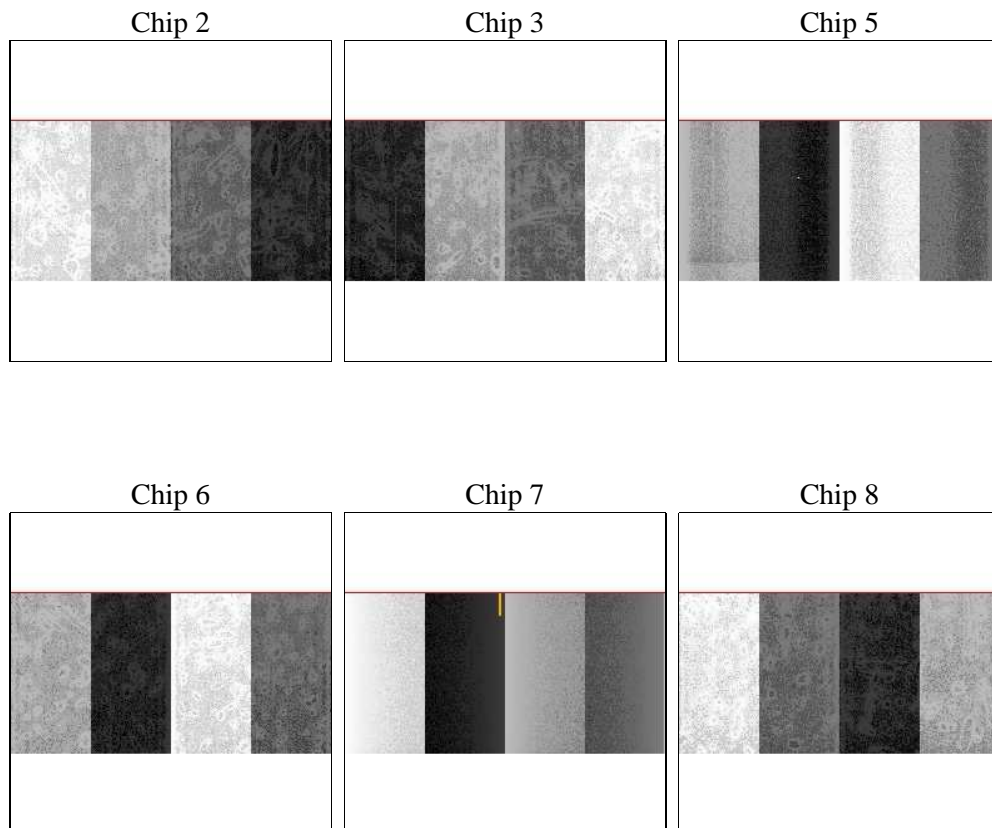
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4903.1999918967	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4903.1999918967	Sum of GTIs [s]
date	2012-10-03T19:46:12	Date and time of file creation	ontime3	4903.1999918967	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4903.1999918967	Sum of GTIs [s]
			ontime6	4903.1999918967	Sum of GTIs [s]
			ontime7	4903.1999918967	Sum of GTIs [s]
			ontime8	4903.1999918967	Sum of GTIs [s]
			l1events	125337	Number of level 1 events

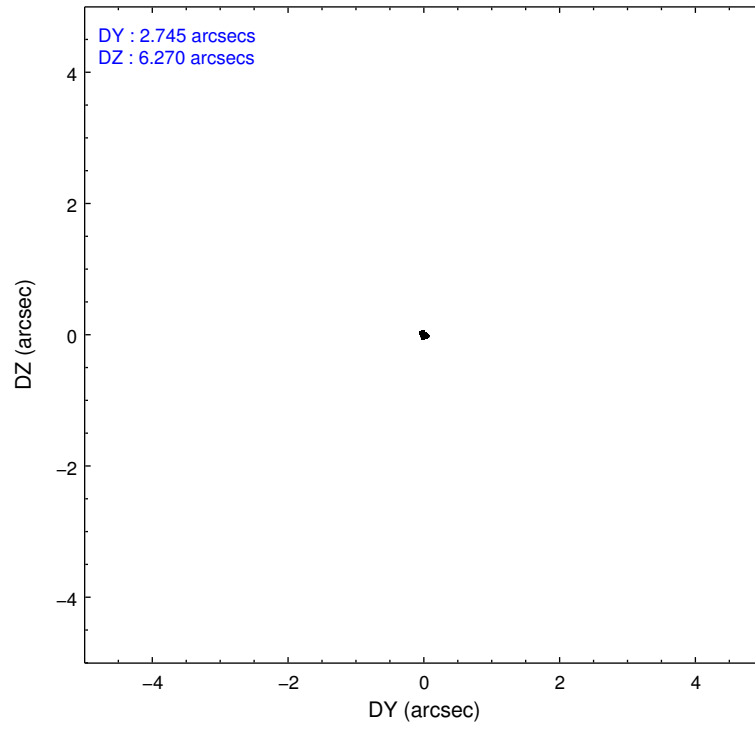
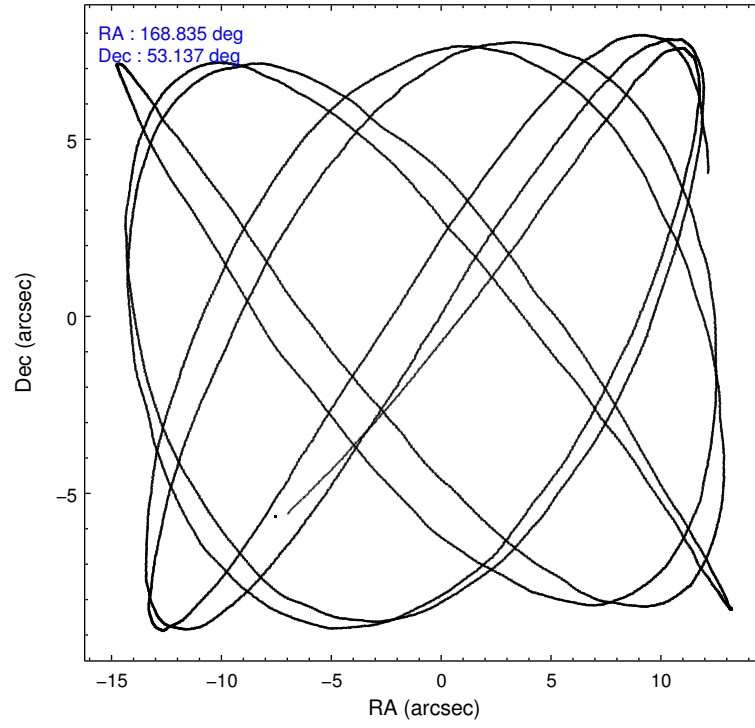
2.1.4 Events

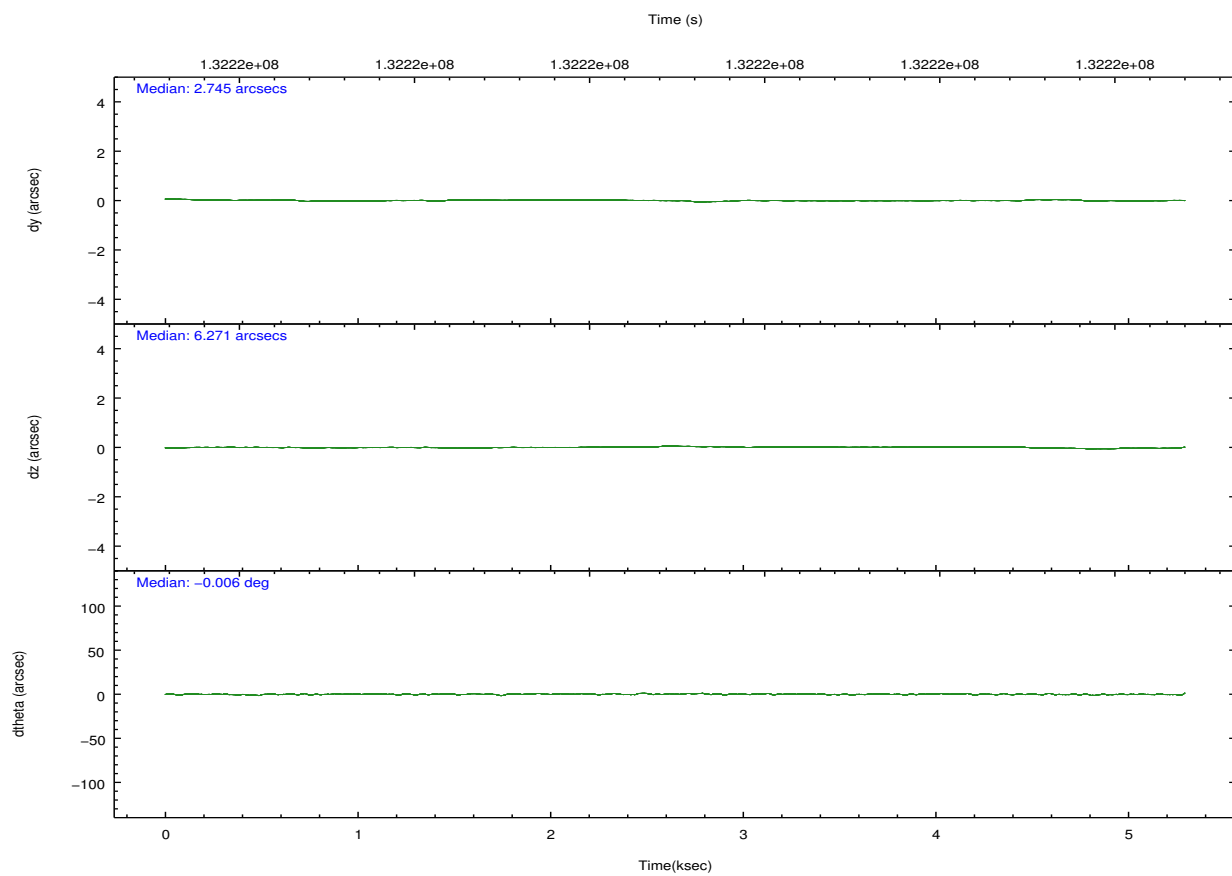
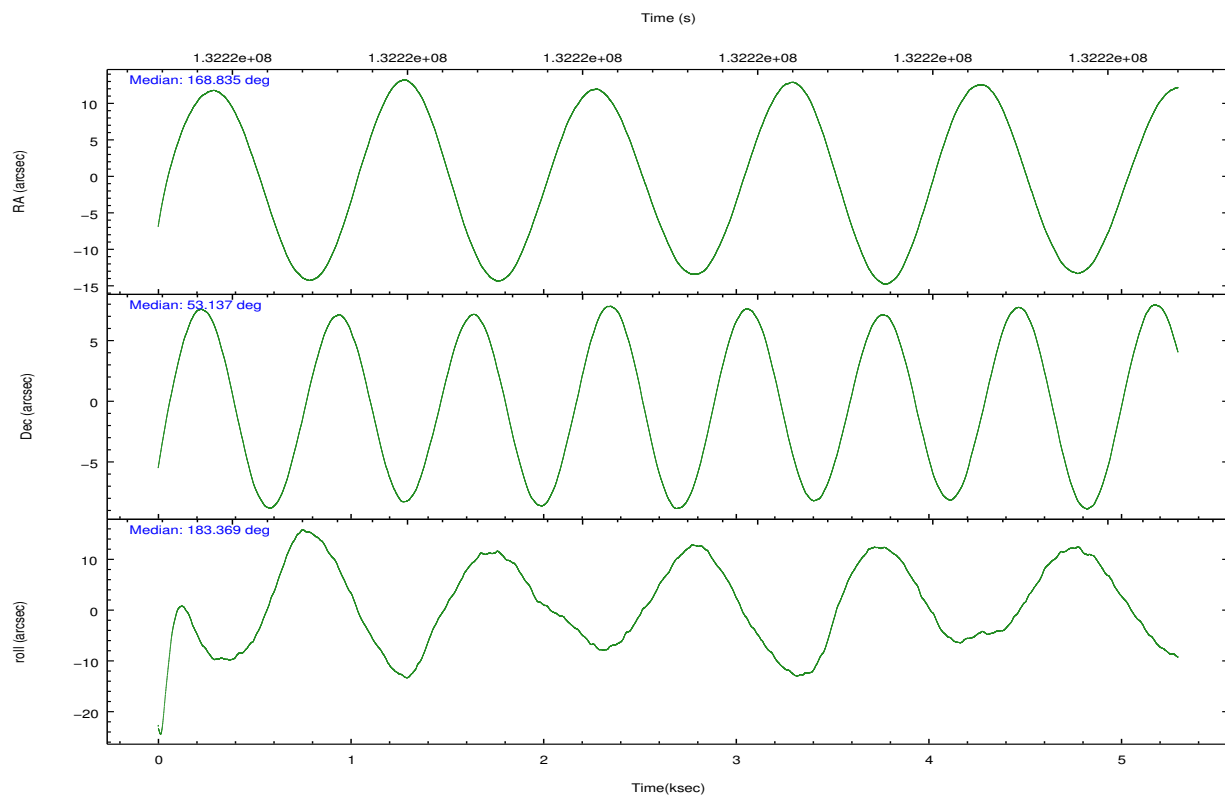
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	17821	17996	27301	17865	21725	22629	grade 0 events	942	908	4487	820	916	1493
rejected events	15651	15816	12769	15788	12394	17833		5%	5%	16%	4%	4%	6%
rejected %	87%	87%	46%	88%	57%	78%	grade 1 events	7	7	55	10	12	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	415	390	3233	395	1893	1019
								2%	2%	11%	2%	8%	4%
							grade 3 events	216	247	576	246	872	527
								1%	1%	2%	1%	4%	2%
							grade 4 events	233	253	523	254	922	502
								1%	1%	1%	1%	4%	2%
							grade 5 events	622	672	1805	701	2092	858
								3%	3%	6%	3%	9%	3%
							grade 6 events	364	382	5719	363	4732	1257
								2%	2%	20%	2%	21%	5%
							grade 7 events	15022	15137	10903	15076	10286	16957
								84%	84%	39%	84%	47%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	168.871987	168.8344605550775	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	53.151699	53.13648364539091	Subarray start row	257	257
[deg] Pointing Roll	183.182310	183.3688895074297	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	132216634.184000	132215369.24068			
Observation start date	2002-03-11T06:49:30	2002-03-11T06:29:29			
[s] Observation end time (MET)	132221134.184000	132221935.90344			
Observation end date	2002-03-11T08:04:30	2002-03-11T08:18:55			
Read mode	TIMED	TIMED			

2.3 Aspect



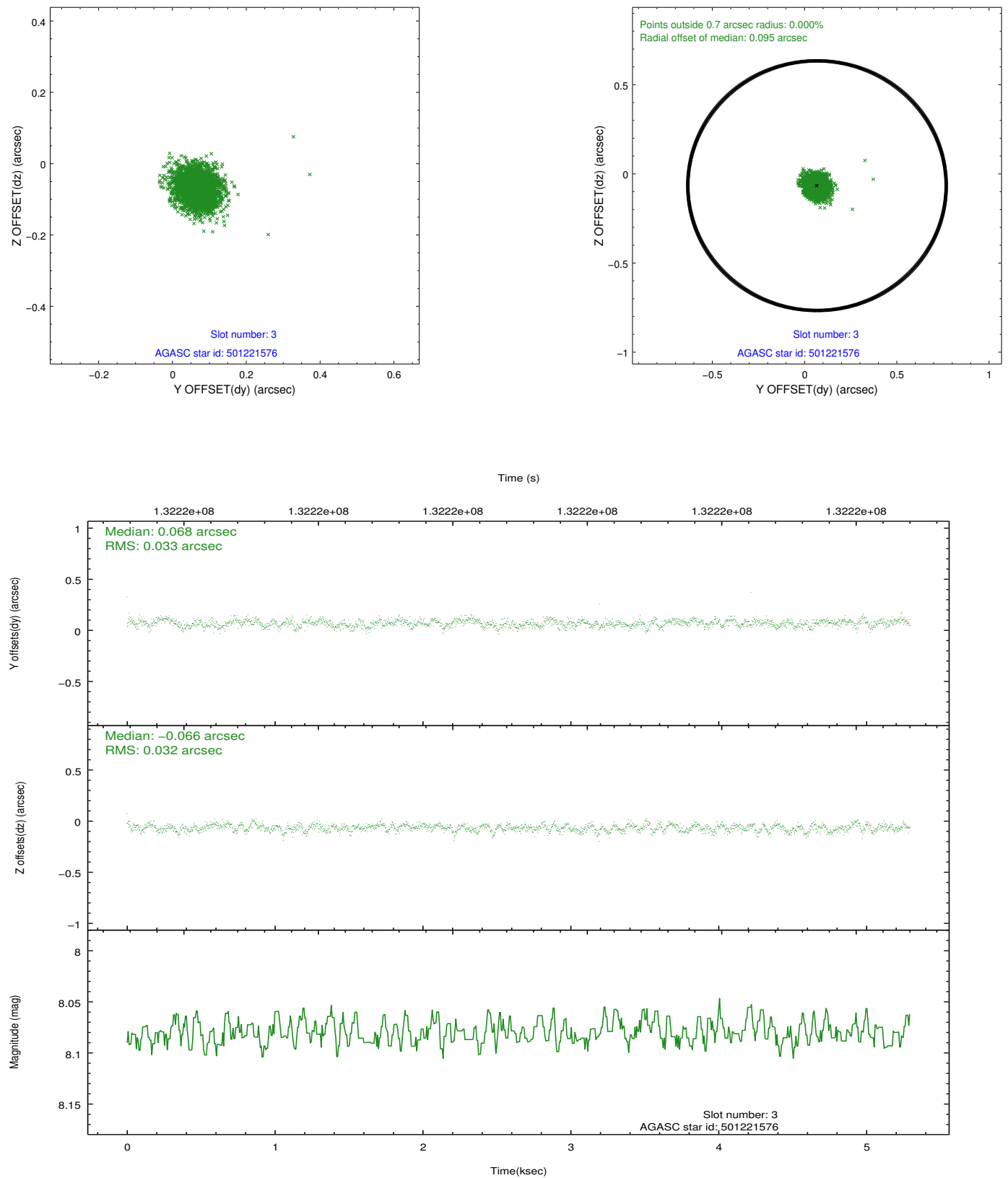


Slot Statistics

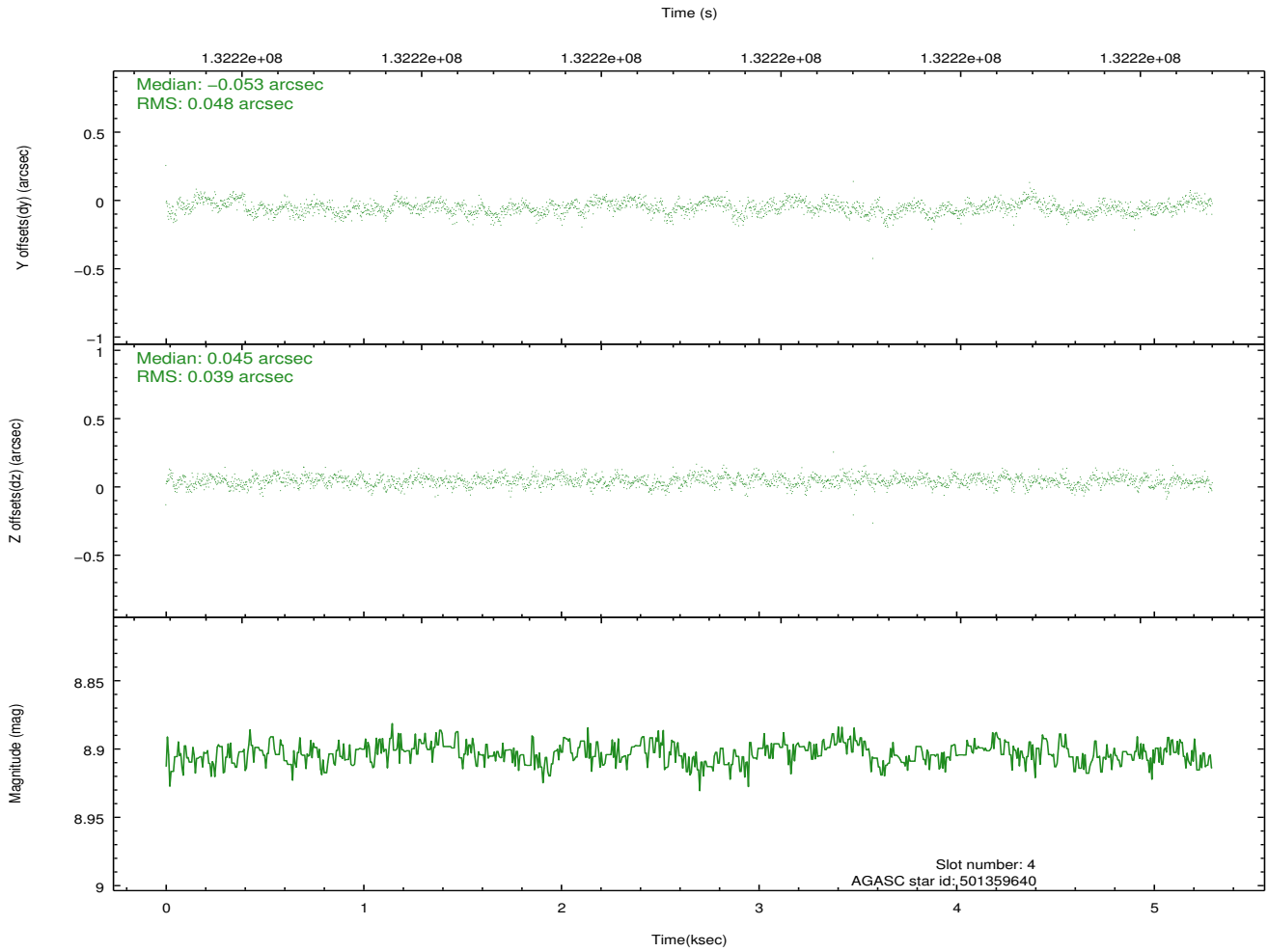
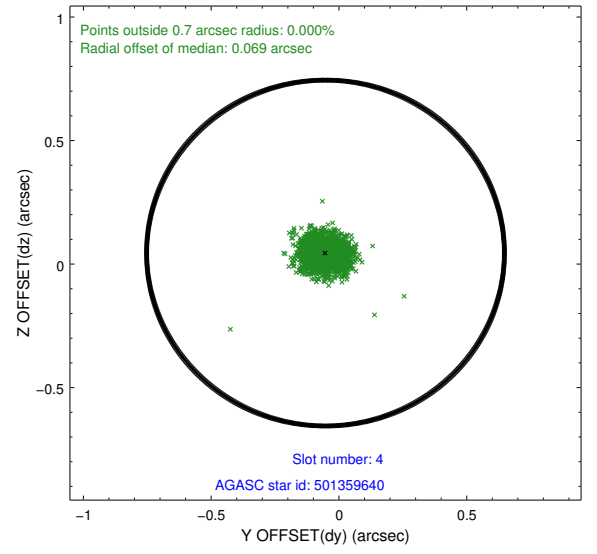
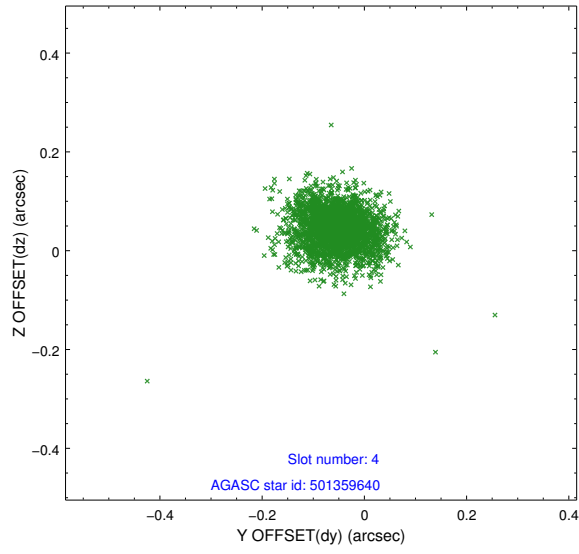
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1292	0.011	-0.044	0.006	0.010	0.000000	0.000000	940.67	-1723.03
1	FID	ACIS-S-5	7.25	1291	-0.001	0.015	0.006	0.011	0.000000	0.000000	-1807.70	173.40
2	FID	ACIS-S-6	7.36	1290	-0.032	0.040	0.006	0.010	0.000000	0.000000	404.94	818.68
3	GUIDE	501221576	8.08	2583	0.068	-0.066	0.048	0.078	168.270365	53.371526	1246.72	-867.15
4	GUIDE	501359640	8.90	2584	-0.053	0.045	0.063	0.105	169.787525	53.309283	-1997.29	-469.71
5	GUIDE	501219480	8.88	2582	-0.055	0.003	0.073	0.118	167.857770	52.792383	2275.29	1153.52
6	GUIDE	501357376	9.32	2581	-0.041	-0.059	0.103	0.160	169.850008	53.661633	-2184.26	-1730.79
7	GUIDE	501220544	9.45	2581	0.085	0.084	0.087	0.136	167.973168	52.522481	2090.85	2139.82

2.4 Star Slots

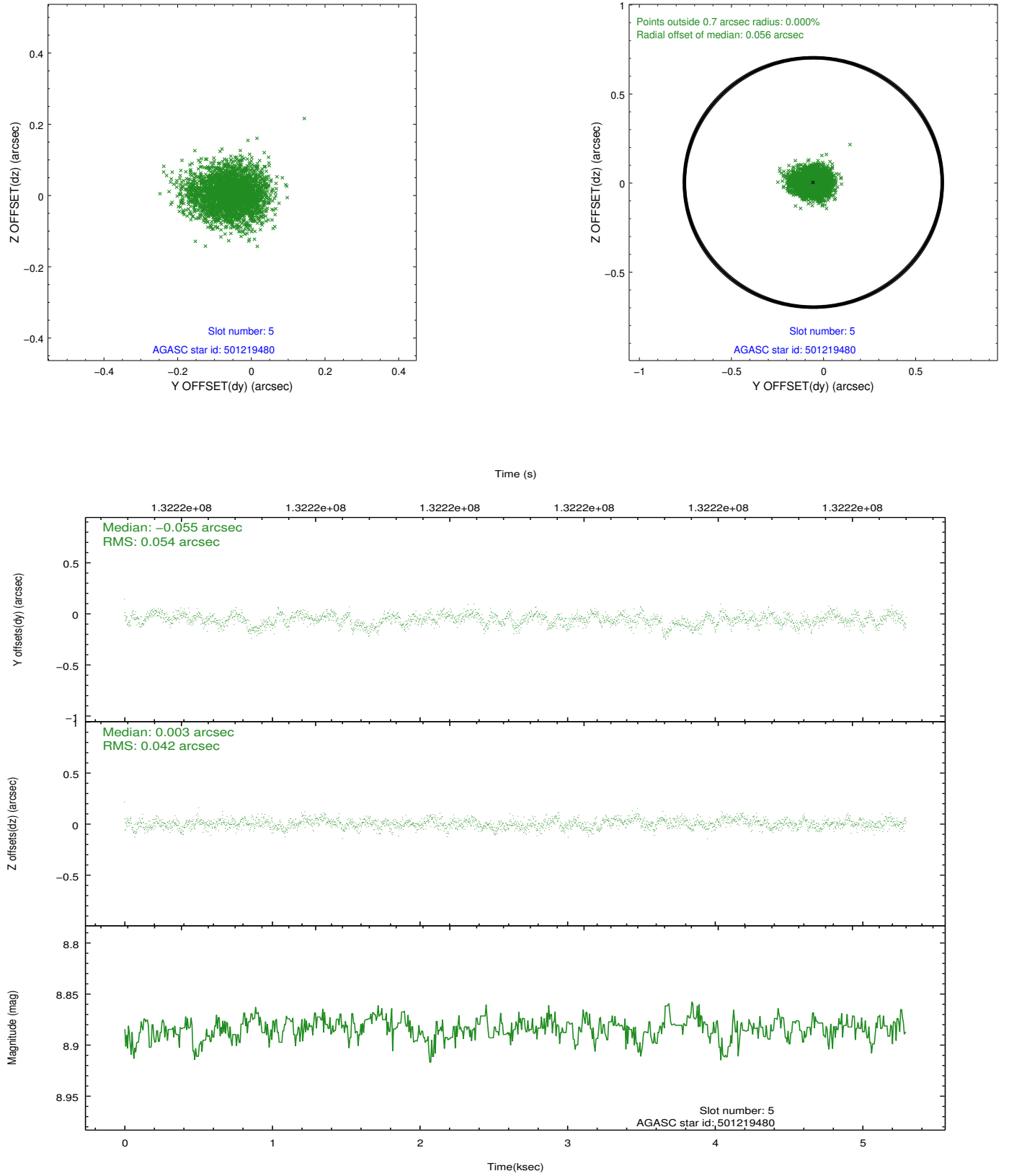
2.4.1 Slot 3



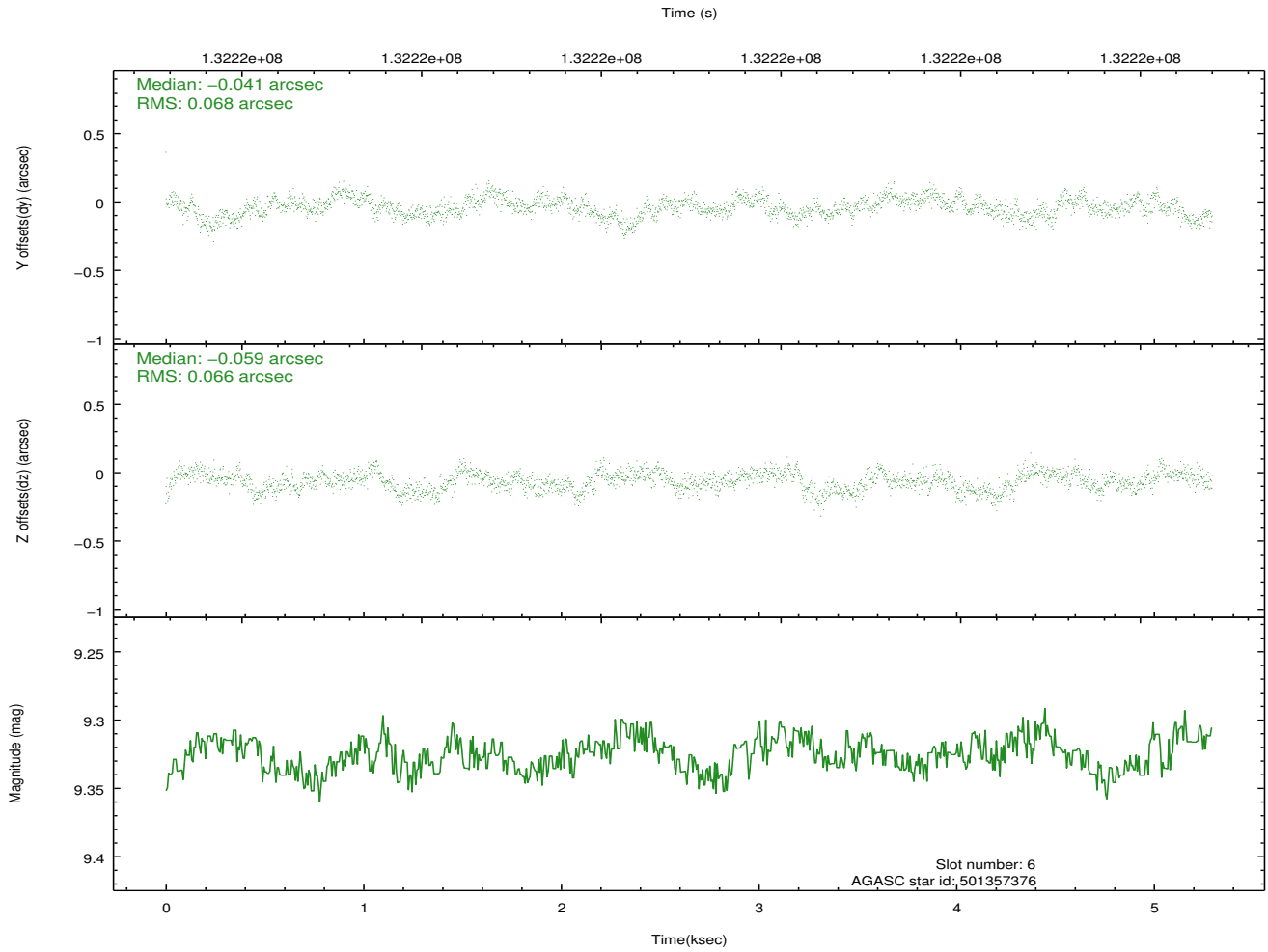
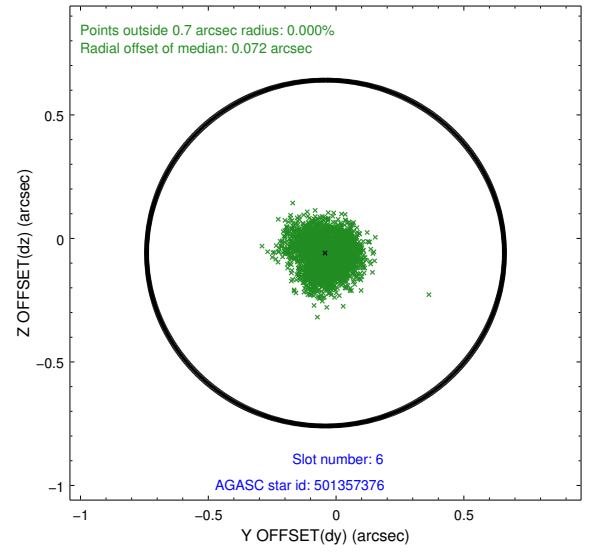
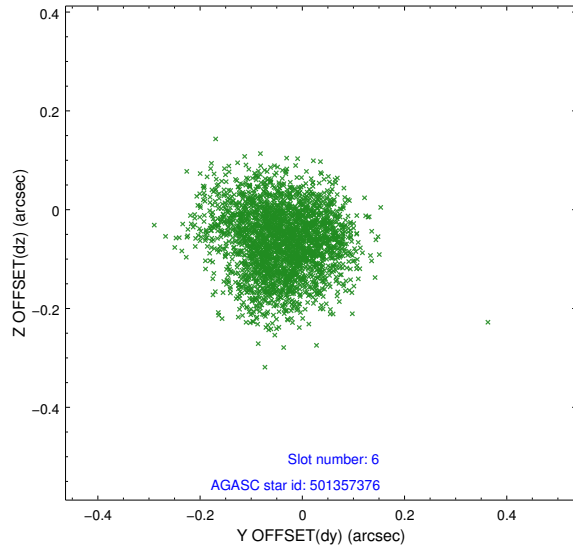
2.4.2 Slot 4



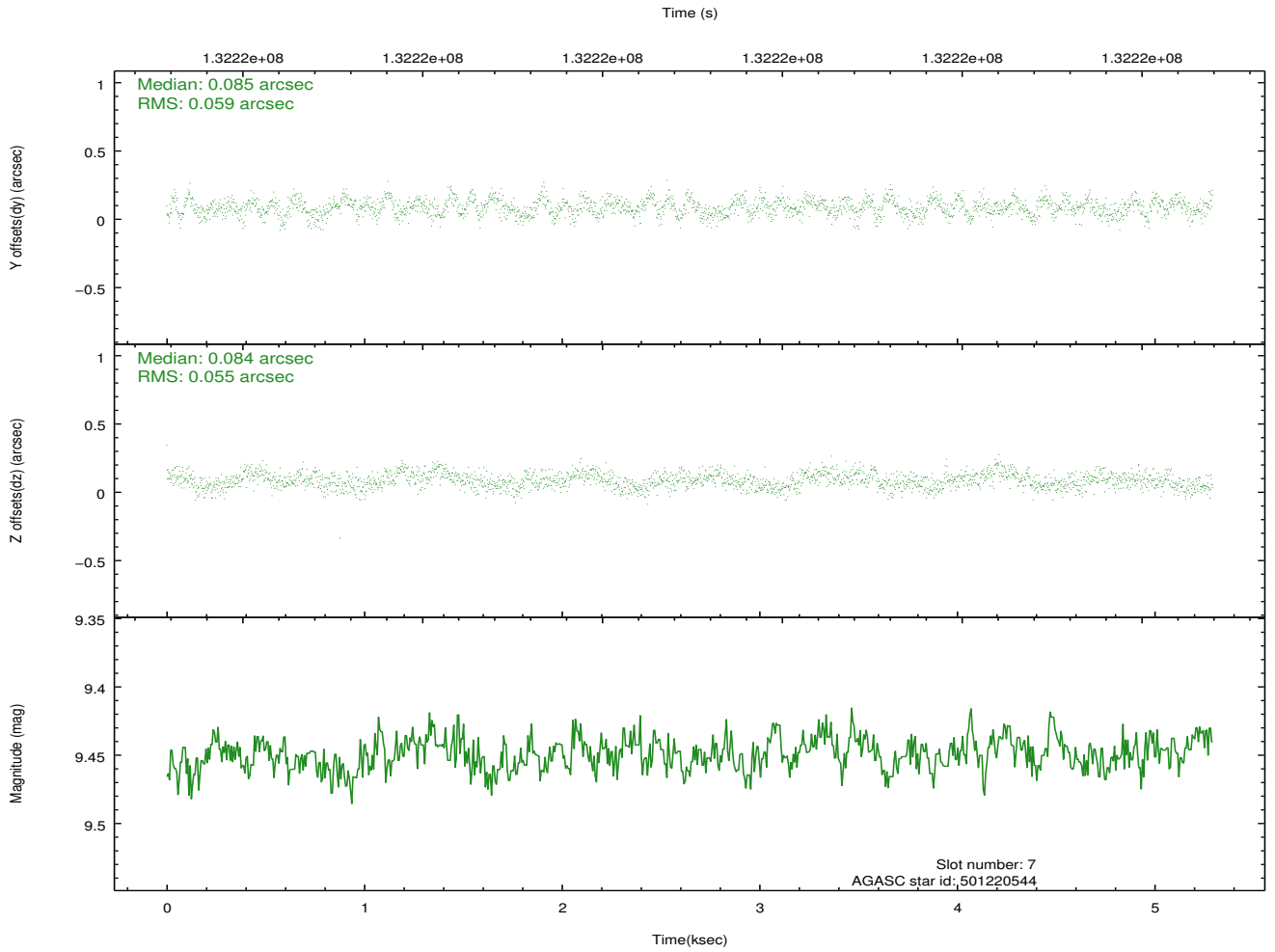
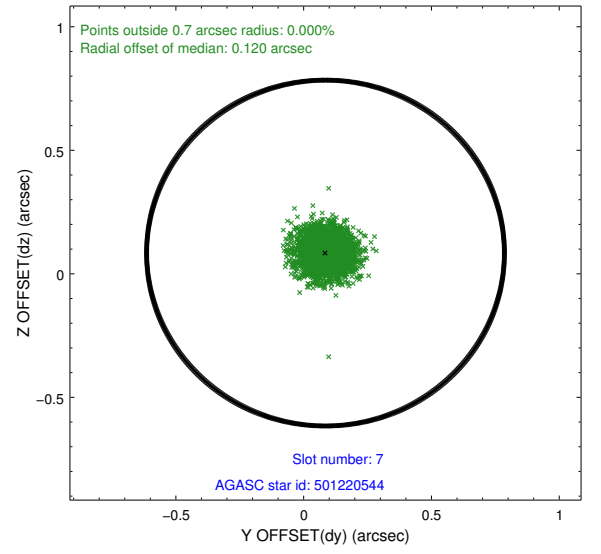
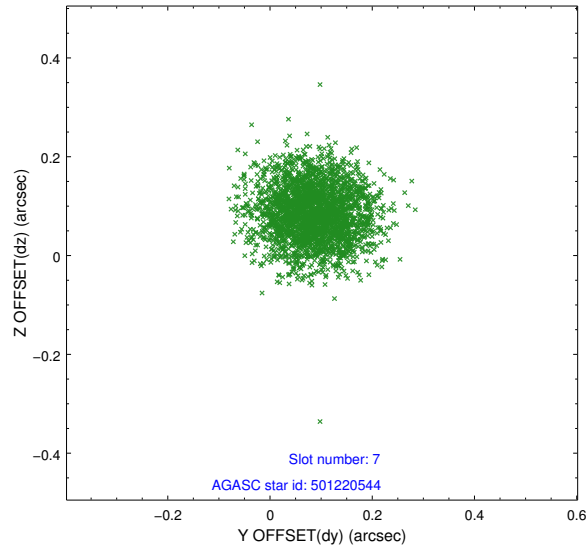
2.4.3 Slot 5



2.4.4 Slot 6

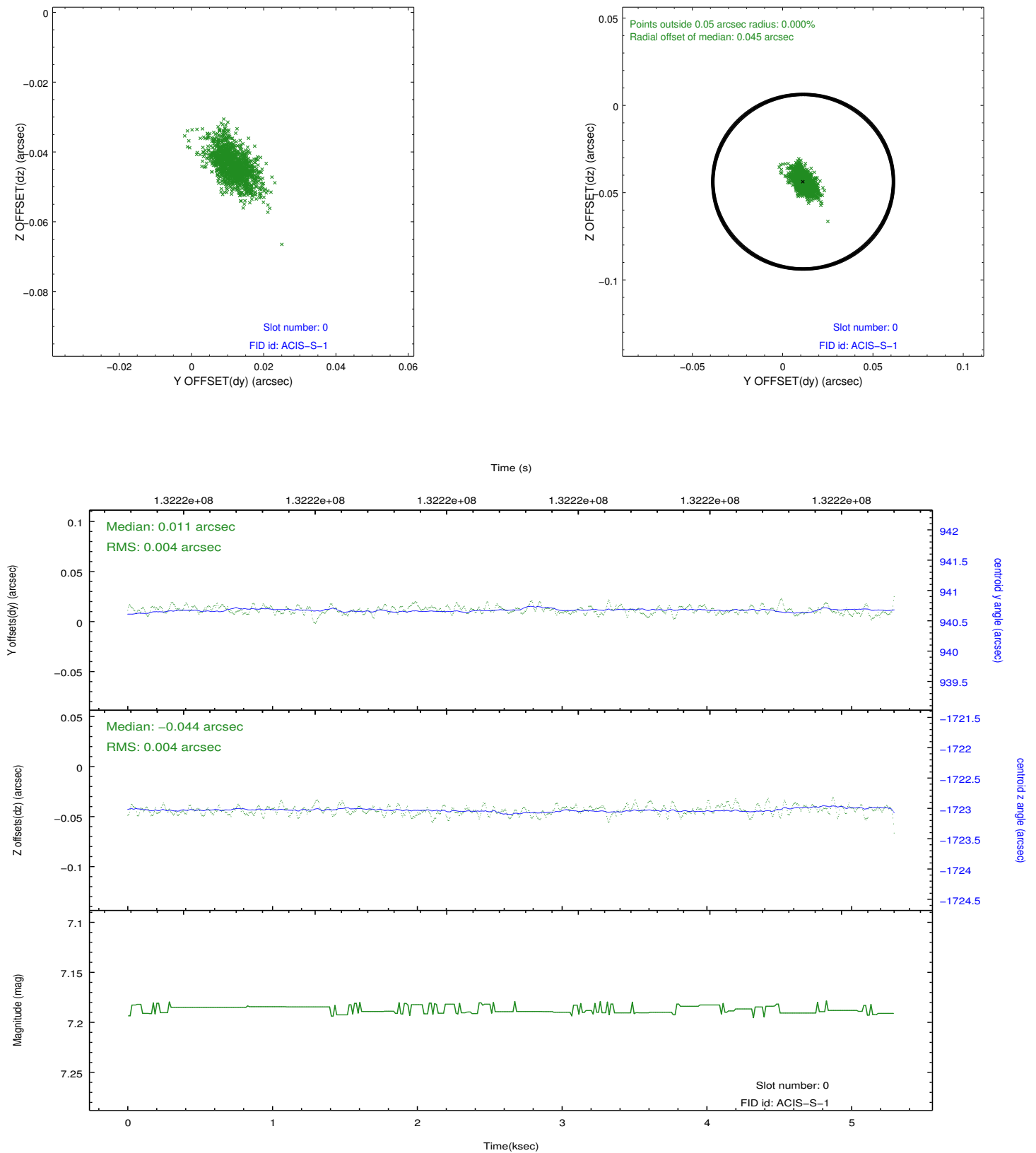


2.4.5 Slot 7

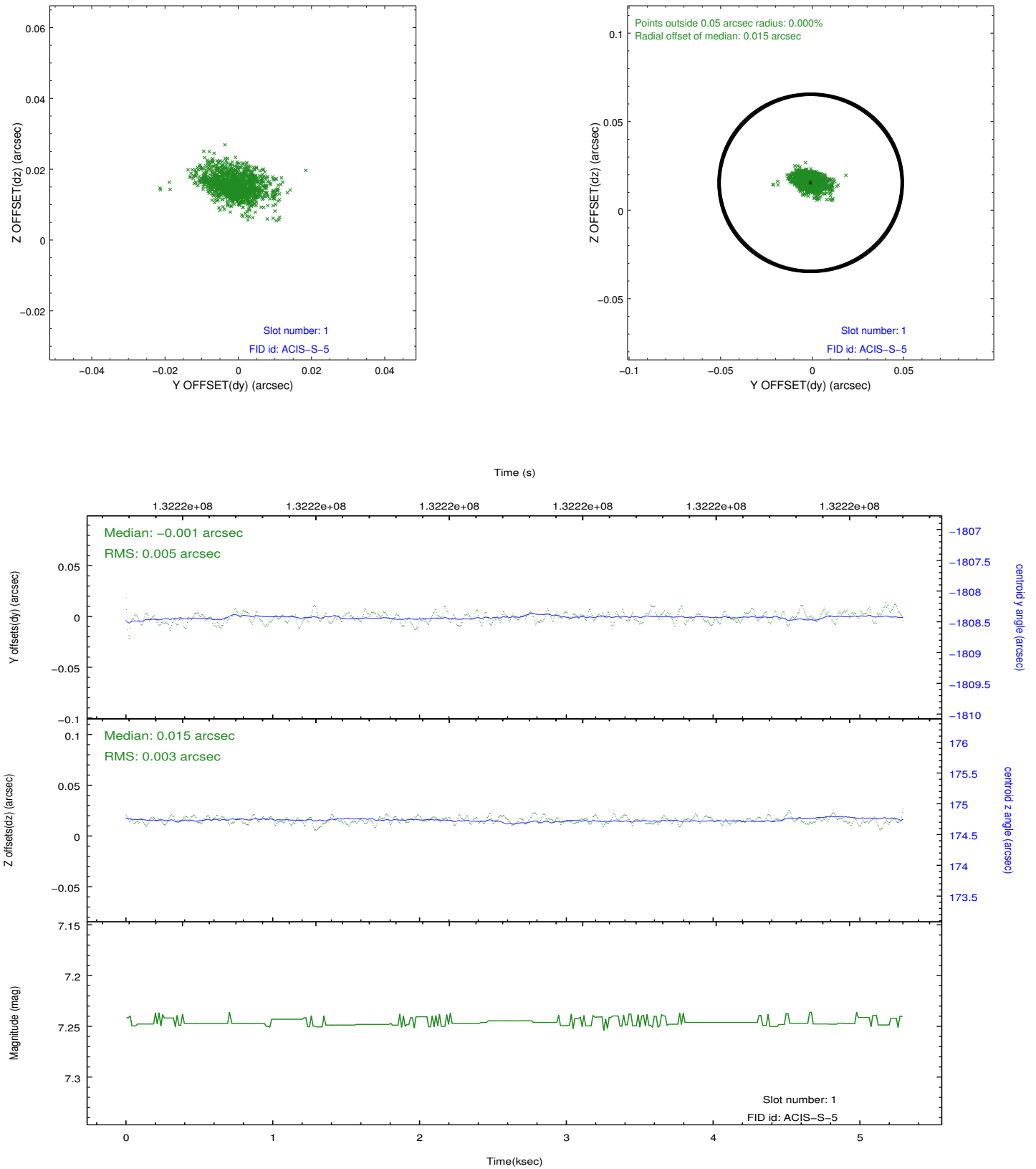


2.5 FID Slots

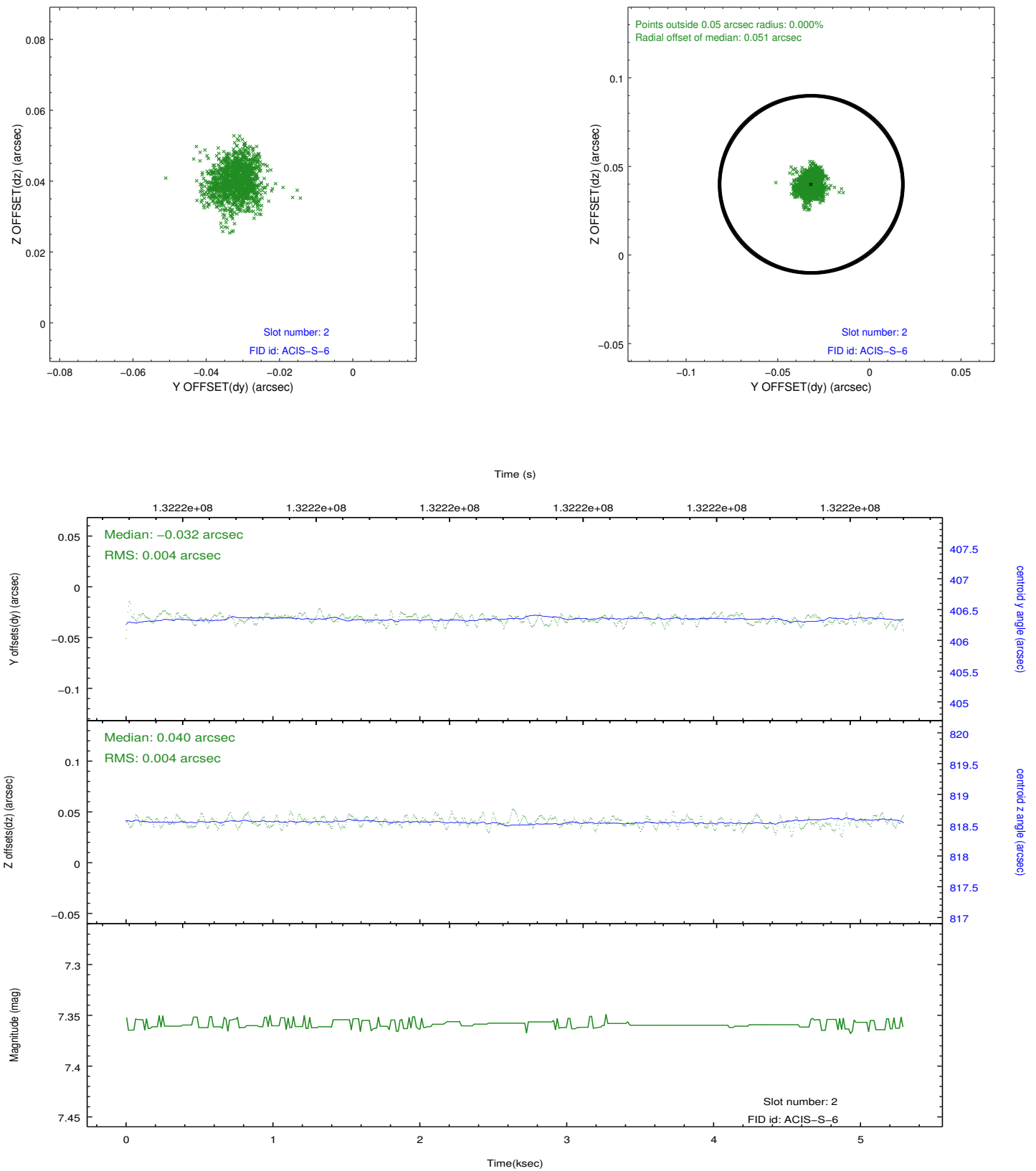
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.904

A.2 Comments

Joint Proposal: NOAO